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(71) Applicant: **SKF INDUSTRIE S.p.A.**
I-10128 Torino (IT)

(72) Inventors:
• **Vignotto, Angelo**
10100 Torino (IT)
• **Peretti, Pietro Antonio**
10060 Piscina (IT)
• **Forestiero, Daniele**
10060 Airasca (IT)

(74) Representative:
Jorio, Paolo et al
STUDIO TORTA S.r.l.,
Via Viotti, 9
10121 Torino (IT)

(54) **Sealing assembly for two connected relatively rotating members, in particular the two rings of a rolling bearing**

(57) The sealing assembly (1) for the two rings (2, 3) of a rolling bearing (4) includes a substantially rigid shield (6) integral with the rotary ring (3) of the bearing (4); a sealing element (10) cooperating in sliding manner with the fixed ring (2); and a magnetic ring (45) cooperating with an outer detecting device (47) to determine the relative rotation speed of the two rings (2, 3). The sealing element (10) extends to form a cover layer (32) on a radially outer lateral surface (40) of a sleeve-shaped portion (11) of the shield (6), and on the face (38) of a radially outer flange (12) of the shield (6) facing the sleeve-shaped portion (11), so as to define an annular seat (46) for the magnetic ring (45). The magnetic ring (45) has beveled, knurled sides (48, 49) to assist insertion and prevent rotation of the magnetic ring inside the seat; and, on the opposite side to the flange (12), the magnetic ring (45) is retained axially by a deformable circumferential projection (53) projecting radially from one end of a cylindrical portion (41) of the cover layer (32) covering the sleeve-shaped portion (11) of the shield (6). The profile of the projection (53) and the dimensions of the annular seat (46) are such as to ensure a predetermined interference between the magnetic ring (45) and the seat (46).

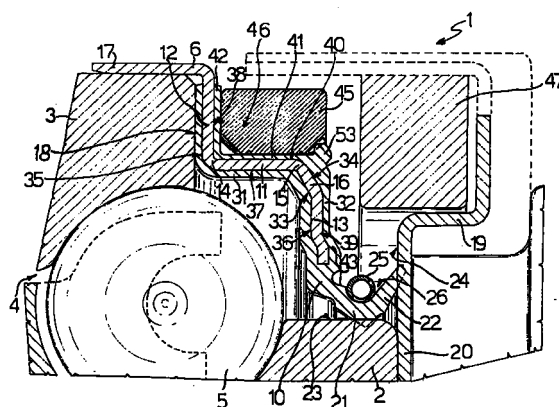


Fig.1

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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 6616

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 681 185 A (SKF IND SPA) 8 November 1995	1	F16C33/72 G01P3/44
A	* column 2, line 12 - column 4, line 35; figures 1,2 *	2-8,11, 14,15	

X	EP 0 378 939 A (ROULEMENTS SOC NOUVELLE) 25 July 1990	1	
A	* column 2, line 18 - column 3, line 32; figures 1-6 *	2,4,5,15	

X	US 5 575 568 A (RIGAUX CHRISTIAN ET AL) 19 November 1996	1	
A	* column 5, line 33 - column 6, line 17; figures 5-8 *	2,4,6-8	

X	EP 0 371 836 A (ROULEMENTS SOC NOUVELLE) 6 June 1990	1	
A	* column 2, line 20 - line 38; figures 1,2 *	2,4-7	

A	EP 0 495 323 A (ROULEMENTS SOC NOUVELLE) 22 July 1992	1,4,5	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
	* column 3, line 46 - column 4, line 3; figure 6 *		G01P F16C

The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 25 November 1998	Examiner Fischbach, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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